ESTTA Tracking number:

ESTTA57703

Filing date:

12/14/2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Proceeding	91161817	
Party	Defendant Motorola, Inc. Motorola, Inc. 1303 East Algonquin Road Schaumburg, IL 60196	
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Date	12/14/2005	
Attachments	Applicant's Motion for Summary Judgment Exhibit 2 Part 1 of 2 (1b of 4).pdf (79 pages)	

## EXHIBIT 2

Nextel Communications, Inc., Opposer, v. Motorola, Inc., Applicant

Opposition No.: 91/161,817 Application No.: 78/235,618

Mark: Sensory Mark (911 Hz Tone)

Exhibit 2 in Support of Applicant's Motion for Summary Judgment

IN THE UNITED STATES PAATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

COPY

NEXTEL COMMUNICATIONS, INC., )

Opposer, ) Opp. No. 91/161,817

vs. ) App. No. 78/235,618

MOTOROLA, INC., ) Pot. Mark: SENSORY MARK

Applicant. ) (911 Hz tone)

The videotape deposition of DAVID ERIC KLEIN, called by the Opposer for examination, taken before RICHARD H. DAGDIGIAN, CSR No. 084-000035, a notary public within and for the County of Cook, State of Illinois, and a Certified Shorthand Reporter of said State, at the offices of Brinks Hofer Gilson & Lione, 455 North Cityfront Plaza Drive, Suite 3600, on the 19th day of Jul 2005, commencing at 10:15 a.m.

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- THE VIDEOGRAPHER: Here begins the video deposition
- of David Klein, Tape One, Volume One, in the Matter of
- Nextel Communications, Inc. versus Motorola, Inc, in the
- 4 United States Patent and Trademark Office before the
- 5 Trademark Trial and Appeal Board, Opposer Number 91/161,817
- and Application Number 78/235,618.
- Today's date is Tuesday, July 19, 2005, and the
- 8 time on the video monitor is 10:15 a.m.
- The video operator today is Dean Maris of
- 10 Thompson Court Reporters located at One South Wacker Drive,
- Suite 1616, Chicago, Illinois 60606, and the phone number is
- <sup>12</sup> 312-346-3377.
- The court reporter is Richard Dagdigian of
- 14 Thompson Court Reporters.
- Today's deposition is being taken on behalf of
- the opposer, and it is taking place at Brinks Hofer Gilson &
- Lione at 454 North Cityfront Plaza Drive, Suite 3600,
- Chicago Illinois, 60611.
- Counsel will now introduce themselves and state
- the parties they represent after which the court reporter
- will administer the oath.
- MR. STEWART: Good morning. I'm John Stewart, and
- this is my colleague, Karen Hermann. We are here from
- 24 Crowell & Moring in Washington D.C., and we are here
- representing Nextel Communications.

- MR. WILLIAMS: I'm Thomas Williams from the law firm
- 2 Brinks Hofer Gilson & Lione, and I'm here on behalf of
- Motorola, Incorporated, the applicant.
- 4 DAVID ERIC KLEIN,
- 5 called as a witness, having been first duly sworn by
- 6 the Notary Public, was examined and testified as
- 7 follows:
- MR. WILLIAMS: I have a brief statement. Motorola
- 9 objects to this discovery deposition being recorded on
- videotape.

TBMP

- First of all, the Board rules, TVMP 703.01I
- states that, "A deposition must be submitted to the Board in
- written form. The Board does not accept videotape
- depositions".
- Second, it was unclear from the notice of
- deposition which used the language "and/or" that this
- discovery deposition would be videotaped.
- And, third, much of this witness' testimony will
- 19 relate to confidential material.
- We designate the entire videotape and the written
- transcript as "Confidential, Attorneys' Eyes Only" until we
- have had the opportunity to carefully review the testimony,
- including the videotape, and to modify any confidentiality
- designations appropriate.

25

- MR. STEWART: Thank you for that statement.
- 2 EXAMINATION
- BY MR. STEWART:
- Q Good morning, Mr. Klein. Have you ever been
- 5 deposed before?
- A No, sir.
- Q Well, then I'm sure that you have talked with
- your counsel about what will transpire today, but let me
- 9 just describe to you a bit.
- I'm going to be asking you questions with respect
- to issues that are -- that we have raised in our notice of
- deposition. And you are to provide me answers. Your
- answers are under oath.
- I would ask that if you do not understand any
- question that I ask, please let me know that and I will see
- what I can do to clarify it for you.
- 17 If you need a break at any time, please let me
- know at the end of an answer to a question. And if you can
- do that, then we will see what we can do to accommodate you.
- If you ever need to talk to your counsel, please
- 21 finish a response to a question, if you are in the middle of
- a response, and then we can take a break for you to talk
- with your counsel, if that's necessary.
- Please make sure that you provide your answers in
- an audible fashion. This is being recorded both by the

- stenographer and on videotape.
- <sup>2</sup> A Okay.
- Q Is there anything that we should know about that
- would make it -- that would hamper your ability today to
- answer questions completely and fully?
- A Not that I'm aware of.
- Q Okay. Then let's get started. Would you state
- your full name, please.
- A My full name is David Eric Klein.
- Q What is your position at Motorola?
- A I am a marketing manager.
- Q And how long have you been in that position?
- A My current position I've been in for
- 14 approximately three years.
- Q And before that, were you with Motorola?
- A Yes, sir.
- Q How long have you been with Motorola?
- A I've been with Motorola since May 22nd, 1995.
- Q And what was your position prior to marketing
- manager?
- A My position immediately prior to marketing
- manager was a marketing portfolio planner.
- Q And how long were you a marketing portfolio
- 24 planner?
- A For two years.

- Q And how about before that?
- A Before that, I was an engineer in product
- 3 development.
- Q I see. And how long were you in that position?
- A I was in that position or that former position
- 6 for five years.
- Q For five years. And that takes you back to 1995?
- A Correct.
- Q Okay. And where were you before Motorola?
- A University of Florida.
- Q What kinds of degree program?
- A I got a bachelor's of science in electrical
- engineering specializing in digital design.
- Q So you came directly -- was Motorola your first
- employment after receiving that bachelor of science in
- engineering?
- A Yes, it was.
- Q Okay. While you were an engineer in product
- development, was there a particular type of product that you
- worked on?
- A During my stay as a product engineer, I developed
- the tools that were used to place information within the
- radio -- customer information, customized information.
- Q And was that with respect -- was that with
- respect to a lot of different Motorola products or one

- particular product line?
- A It was specific to Motorola's Type 2 Trunking for
- Analog and their APCO Digital Trunking, in addition to
- variants of their conventional offering.
- Now, currently, as a marketing manager, is that
- with respect to a particular product line?
- A I'm currently a marketing manager for what is
- 8 referred to as our High Tier Products; these products that
- 9 do our Motorola Type 2 trunking, our APCO trunking and APCO
- Project 25 trunking, and variants of conventional
- operation.
- Q Okay. Now, we are here today to take your
- deposition -- to take the deposition of Motorola pursuant to
- the notice of deposition which we reissued as a Re-notice of
- Deposition of Applicant Motorola, Inc.
- Now, you understand you are here in a
- representative capacity speaking on behalf of Motorola
- 18 itself?
- A Yes, I do.
- Q Pursuant to the rules, we have identified
- particular topics that we are interested in asking questions
- about.
- And under the rules, you have been designated to
- address all of those topics. Do you understand that?
- <sup>25</sup> A I do.

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MR. STEWART: I want to ask that the reporter mark as
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- <sup>2</sup> Klein Exhibit 1 a copy which I will hand you in just a
- moment of the re-notice of deposition of Applicant Motorola,
- 4 Inc.
- 5 (Klein Deposition Exhibit
- No. 1 was marked as
- requested.)
- BY MR. STEWART:
- 9 Q Would you take a minute to review that document
- and, in particular, the list of topics with respect to which
- we are going to be asking you questions, the subject matter
- 12 categories.
- A Okay.
- Q Okay. Have you reviewed this Klein Exhibit 1
- previously?
- A I have seen and read the document.
- Q Okay. With respect to the subject matter
- categories that are numbered 1 through 15, are you the
- person at Motorola most qualified to discuss each of those
- 20 topics?
- MR. WILLIAMS: Objection. Under the rules, he
- doesn't necessarily have to be the person most qualified.
- He's being designated today on behalf of Motorola
- BY MR. STEWART:
- Q Are you prepared to address each of those 15

- categories Mr. Klein?
- A I'm prepared to the best of my knowledge to
- 3 address the 15 categories.
- Q Are there people within Motorola who would be
- more knowledgeable with respect to particular ones of these
- 6 15 categories.
- 7 MR. WILLIAMS: Objection, that's vague and
- 8 ambiguous.
- 9 BY MR. STEWART:
- Q You may answer the question.
- A I am unaware of specific people who would be
- readily available to answer all 15 elements.
- Q Well, with respect to any particular ones of
- those, are there people in Motorola who are more qualified
- or have more information to answer questions about those
- particular topics?
- MR. WILLIAMS: Objection, that's vague and
- ambiguous.
- BY MR. STEWART:
- Q Please answer the question.
- A I do not know.
- Q Okay. We will come back to that.
- Now, to what extent have you had personal
- involvement in the facts underlying these subject matter
- 25 categories?

- MR. WILLIAMS: Objection to the extent that that
- question calls for revealing privileged communications
- between the lawyer and the client.
- BY MR. STEWART:
- 5 Q Please answer.
- A Will you repeat the question.
- Q To what extent have you had personal involvement
- in the facts relating to each of these 15 topics?
- 9 MR. WILLIAMS: I instruct you not to answer to the
- extent that your answer would involve revealing
- communications that you have had with the lawyers or the
- 12 Legal Department.
- A I have read company documentation and seen
- company records related to the topics.
- BY MR. STEWART:
- Q With respect to the work that you have done for
- Motorola in marketing and as an engineer, have you -- were
- you involved in any of these subject matters?
- A I have worked on products that include the 911
- Hz Tone.
- Q Have you worked on any aspect of the creation,
- selection or incorporation of the 911 Hz Tone itself?
- <sup>23</sup> A Yes.
- Q Explain how that has happened, please.
- MR. WILLIAMS: Objection, that's vague.

- BY MR. STEWART:
- Q Answer, please.
- A The tone is a standard within these products, and
- we have adhered to that standard.
- Q And for you personally as an engineer, how has --
- 6 how did you implement that adherence, or what exactly did
- you do with respect to the 911 Hz Tone itself?
- A Can you clarify.
- 9 Q Yes. You said you worked on the creation,
- selection or incorporation of the 911 Hz Tone itself, is
- 11 that correct?
- A In current products, yes.
- Q In current products, yes. Can you tell me
- exactly what your work consisted of? How did -- let me end
- 15 it there.
- A In the current products, my effort was specific
- to insuring that the products utilize the specific 911 Hz
- 18 Tone as we have done in previous products for consistency.
- Q And in doing so, how did you go about that?
- A That included requiring the appropriate pitch and
- cadence of the tone; the inclusion of the description of the
- tone in manuals; verification that the operation overall of
- the products in the customers' hands when they used
- operations involving the tone matched previous products.
- That's pretty much it.

- Q First, you said requiring the appropriate cadence
- and tone for purposes of consistency, is that right?
- <sup>3</sup> A Yes.
- Q In what capacity did you require that?
- A It is stipulated as a requirement to the
- 6 products.
- Q In what form is that stipulation or that
- 8 requirement stipulated?
- A The stipulation comes in the general form of the
- product that is being replaced must match functionality.
- 11 The new product that's replacing the old product must match
- 12 functionality. It's more of a blanket statement of
- operation.
- Q Is that in writing?
- A To the best of my knowledge, I believe it is.
- Q That it is in writing?
- 17 A Yes.
- Q In what form?
- A Internal documents, a stipulation of definition
- of the products.
- MR. STEWART: We would ask if that document has not
- been produced to us, that it be produced to us at this
- point.
- Are you aware of whether that document has been
- <sup>25</sup> produced.

- MR. WILLIAMS: We will take that request under
- <sup>2</sup> advisement.
- MR. STEWART: Thanks. I'm sorry, go ahead.
- A Nothing.
- 5 BY MR. STEWART:
- Q Okay. Let me ask, have you reviewed all of the
- documents that were produced by Motorola to Nextel in
- 8 response to Nextel's discovery requests in this proceeding?
- A I am unsure. I have reviewed some -- I have
- reviewed documentation. I'm unsure if it's the full scope
- of documentation.
- Q Was the stipulated requirement that you just
- described among the documents you reviewed?
- A For the purpose of this activity, it was not part
- of the documents that I reviewed.
- Q Did you review it separately?
- A Yes, during natural job functions and activities.
- Q When was that?
- A Over the last two or three years of actual job
- functions, documentations that describe products are seen
- <sup>21</sup> and reviewed.
- Q So that was while you were in your position as
- marketing manager, correct?
- A Between marketing manager and portfolio planner.
- Q While you were an engineer, did you see such

- stipulated requirement?
- A I did not see stipulated requirement because
- those stipulated requirements were not in the particular
- documentation I worked with on a day-to-day basis.
- Q Why not?
- MR. WILLIAMS: Objection, that's vague.
- A I need a little bit of clarity.
- BY MR. STEWART:
- Q What were you working on that was different?
- I'm sorry, were you working on some area of
- 11 functionality of the devices that was different from that
- that included the 911 Hz Tone?
- A I worked on a PC based application software that
- placed configuration information into the products.
- So I was not part of the group that developed the
- 911 tone for particular products.
- I was a person who worked on a slightly different
- aspect of the overall delivery of the products.
- Q You mentioned that you had reviewed documents.
- What else have you done to prepare yourself for the
- 21 deposition today?
- MR. WILLIAMS: Objection. To the extent that your
- answer would reveal communications between the lawyers and
- yourself, I instruct you not to answer.
- A I reviewed user manuals, I reviewed product

- description documents. These would be internal documents
- that Engineering uses to describe the products.
- And I looked at training information in reference
- 4 to the frequency tone, had discussion with Motorola
- 5 employees concerning the frequency tone.
- 6 BY MR. STEWART:
- Q With which Motorola employees did you speak?
- A Mitch <del>Leshim</del>, <del>Leshim</del>, I believe, and Dave
- 9 Mills.
- Q And what are their positions in Motorola?
- 11 A They are engineering managers.
- Q Are they managers with respect to particular
- <sup>13</sup> product lines?
- A They are managers with product lines that I'm
- directly related to, which would be Motorola Type 2
- 16 Trunking, Astro -- the APCO Trunking and APCO Project 25
- 17 Trunking, and other forms of conventional operation.
- Q And if you know, how long have they been with
- 19 Motorola?
- A I do not know their tenure at Motorola, the
- 21 length of it.
- Q Why did you speak with them?
- MR. WILLIAMS: Object to the extent that your answer
- calls for revealing communications between the lawyers and
- yourself.

- A I spoke with both gentlemen in concern with
- general availability and engineering effort to support and
- interact with the 911 Hz Tone.
- 4 BY MR. STEWART:
- Q What do you mean by availability?
- A I guess implementation would be a more
- 7 appropriate term. How they implemented the tone in
- 8 different products.
- 9 Q Did you talk to them with respect to 911 Hz Tone
- products that are not current products?
- 11 A I spoke with them about previous 911 Hz Tone
- 12 products.
- Q Did they have direct knowledge of previous 911 Hz
- 14 Tone products?
  - Leshir
- A Mitch Leshim had knowledge about previous 911 Hz
- 16 Tone products.
- Q And Dave Mills did not?
- A Not beyond common knowledge of the 911 Hz Tone
- 19 products.
- Q Did you do anything else to prepare?
- A Not beyond my daily job functions and my own
- personal history and interaction with the products, no.
- Leshin

  Q Did you speak to anyone other than Mitch Leshim
- 24 and Dave Mills?
- MR. WILLIAMS: Objection to the extent your answer

- would call for revealing communications between the lawyers
- <sup>2</sup> and yourself.
- A I did speak with Marlon Moo-Young, M-o-o -
- 4 Y-o-u-n-g, Marlon Moo-Young, concerning his understanding of
- 5 the tone. He -- I worked with him on understanding the
- 6 tone.
- I have spoken to his manager, Tim Quirey,
- 8 concerning the tone.
- 9 BY MR. STEWART:
- Q How do you spell Quirey?
- A Q-u-i-r-e-y, I believe.
- Q What are their respective positions?
- A Marlon Moo-Young manages the engineering support
- team, assisting customers in the field, and Tim is his
- manager for that organization.
- Q Did you obtain any documents from any of these
- 17 four individuals?
- A Not that I'm aware of. In other words, no --
- they turned over no documentation to me for -- for this
- tone.
- Q Did you take notes of your conversations with
- 22 them?
- A I do have notes. I do have notes that Mitch and
- 24 I -- Mitch and I had a conversation with.
- MR. STEWART: We would ask for the production of

- 1 those notes.
- MR. WILLIAMS: We will take that under advisement.
- BY MR. STEWART:
- Q Did you talk with any other individuals?
- A Specifically about the 911 Hz Tone, let me think.
- I had spoken to our Training Department, specifically one of
- our training developers, Janice Morey; M-o-r-e-y is her last
- <sup>8</sup> name.
- She is, for lack of a better term, an author of
- our -- of our user guides and training material.
- Q What did you discuss with her?
- 12 A The presence of training information related to
- the 911 Hz Tone.
- Q And did you collect documents from her?
- A Yes, I did.
- MR. STEWART: We would ask for those documents, to
- the extent they haven't already been produced, or for their
- identification if they have already been produced.
- MR. WILLIAMS: We will take that under advisement.
- BY MR. STEWART:
- Q Did you take notes of your conversations with
- Janice Morey?
- A No, I did not.
- Q Did you talk with other individuals?
- A No, I actually never did -- there would be -- I

- was directed to, oddly enough, Dave Klein, as he manages the
- Training Department, but he was out of town.
- Q And is that the only other person you tried to
- speak with in preparing for this deposition?
- A I was directed to Monica Gingells -- don't ask me
- 6 to spell it -- and who I never really had a chance to have
- <sup>7</sup> any conversation with either.
- Q And what's her position?
- A My assumption is she is assisting in management
- of the Training Department while David Klein is on vacation.
- 11 That is merely an assumption.
- Q Okay. Are there any other individuals you spoke
- with in preparing for the deposition?
- 14 A I did speak with Mary Pitman
- Q Who is that?
- A She handles our -- I'm not really sure what her
- actual title is. She handles -- if we sell products to an
- integrator company, something like that.
- Q So she is in sales?
- A Not that I'm aware of. As near as I know, she is
- just part of the North American Business Team. That's our
- title for that group.
- Q Any other individuals?
- A Not that I'm aware of.
- Q Did you collect documents from Mary Pitman?

- A No, I did not.
- Q Did you take notes of conversations with her?
- A Verbal only.
- Q So the answer is no?
- A No.
- Q Then let me read you the list we have just gone
- <sup>7</sup> through.
- Mitch Leshim, Dave Mills, Marlon Moo-Young, Tim
- 9 Quirey, Janice Morey, and Mary Pitman were the individuals
- you identified as people you talked to in preparing for this
- deposition?
- 12 A Correct.
- Q Any others come to mind?
- A None that I'm aware of.
- Q And when did these conversations take place
- 16 roughly?
- A In the last two weeks or so.
- Q Did you speak with anyone in sales or marketing?
- A You would have to define marketing because we
- have a -- different definitions of marketing within our
- <sup>21</sup> organization.
- Q I would like to get all the details of that, but
- did you talk with anybody who was involved in sales or
- marketing activities or responsibilities in a general sense?
- A Yes, I did. Yes, I did. I did speak with Linda

- 1 Serges.
- Q How do you spell her name?
- A S-e-r-g-e-s, I believe. She is -- she does
- 4 management for some of our promotional trade show and user
- 5 interaction groups.
- Q and did you collect documents from her?
- 7 A Yes, I did.
- MR. STEWART: We ask that those be produced or
- 9 identified if they have already been produced.
- MR. WILLIAMS: We will take that under advisement.
- BY MR. STEWART:
- Q Did you take notes of any conversations with her?
- A No, I did not take any notes of our conversation.
- 14 It was strictly verbal.
- Q Any other people that now come to mind?
- A It's been a busy few weeks. I did speak with Joe
- Balchune, B-a-l-c-h-u-n-e, I believe. I should know this.
- And he identified, in association with
- conversations with Mary <del>Pitman</del> -- he identified, again,
- products that we have sold to integrators.
- Q Define product integrators or integrators in this
- 22 context.
- A Companies who purchase products from us to be
- integrated into a larger product or a larger final product.
- Q All right. We have added these two -- two

- additional names, Linda Serges and Joe Balchune.
- Did you speak with any other individuals in
- preparing for the deposition?
- A No, no.
- Q Okay. Did you communicate with any of these
- 6 people or others by e-mail in preparing for this deposition?
- A I did communicate with multiple of those people
- 8 via e-mail.
- 9 MR. STEWART: All right. And we would ask for those
- e-mails to be produced.
- MR. WILLIAMS: We will take that under advisement.
- BY MR. STEWART:
- Q Did you communicate by e-mail to any other
- 14 individuals?
- A Concerning the 911 Hz Tone?
- Q Uh hum.
- A Not that I'm aware of.
- Q Did you speak with anyone who was responsible for
- engaged in advertising activities?
- A That would be -- please identify your concept of
- <sup>21</sup> advertising.
- We do it in a multitude of ways.
- Q Well, you've talked about promotion and trade
- shows and user interaction groups.
- Let me come back to that when I talk more

- specifically about the advertising. I think it will be
- clearer if we break it all down.
- But with respect to any kinds of marketing and
- 4 promotion, are Linda Serges -- is Linda Serges the only
- <sup>5</sup> person you spoke with in preparing for this deposition?
- A Linda Serges is the only person I spoke with as
- far as managing trade shows, promotional events and user
- groups.
- Q And what -- who else did you speak to with
- respect to other kinds of marketing activities?
- A Our training organization develops tools as such,
- so it would be Janice Morey.
- MR. STEWART: Okay. All right. I would like to
- have marked as Klein Exhibit 2 the file history reflecting
- the PTO records on the Motorola application for trademark
- registration for the 911 Hz Tone.
- 17 (Klein Deposition Exhibit
- No. 2 was marked as
- requested.)
- BY MR. STEWART:
- Q Have you ever seen this -- I'm sorry, continue
- reviewing the document.
- Have you seen this document before?
- A No, I have not.
- Q All right. If you would turn to the very last

- page of this document which is labeled MOT 002015 -- do you
- <sup>2</sup> see that?
- A Yes, I do.
- Q Do you see in the identification of
- 5 "Goods/Services" down in the left hand column there, an
- indication that goods and services are two-way radios,
- immediately to the right of that?
- A I do see that.
- 9 Q Now, are you aware of the scope of the rights
- being sought in this registration application?
- MR. WILLIAMS: Objection, that calls for a legal
- conclusion. This is a fact witness.
- BY MR. STEWART:
- Q You may answer.
- A I do not know the full ramifications of this
- statement.
- Q If you -- in Klein Exhibit 1, which is the
- re-notice of deposition that we showed you before, you have
- a defined term on Page four, the definition numbered eight.
- Do you see that there?
- A Correct.
- Q That's a definition of the 911 Hz Tone products.
- <sup>23</sup> A Okay.
- Q And we have defined that as meaning the goods
- that are being applied for which registration is being

- applied for by Motorola in this 911 Hz proceeding, okay?
- <sup>2</sup> A Okay.
- Q Now, using that as a basis, I would like to talk
- with you about kind of the nomenclature and the way you
- understand the nature of those products.
- A So for clarification, you are asking me to --
- when we discuss two-way radios, that I am to assume the
- definition to be 911 Hz Tone products?
- Q I want to do it the other way around. The 911 Hz
- Tone products, for purposes of our discussion right now, and
- throughout this deposition, unless we revisit this, is going
- to refer to all the Motorola products identified as two-way
- radios for which the registration application has been
- 14 filed.
- MR. WILLIAMS: I'm going to renew my objection based
- on the fact that he's a fact witness, and he's not
- designated to testify about the Patent & Trademark Office
- identifications of goods and services.
- BY MR. STEWART:
- Q I'm sorry. Go ahead.
- A So when you stipulate two-way radios, I'm to
- assume you are referring to 911 Hz Tone products? Is that
- my understanding?
- Q I'm going to be using 911 Hz Tone products to
- refer to whatever it is that Motorola is seeking the

- registration to cover in this proceeding.
- <sup>2</sup> A Okay.
- Q Do you have an understanding yourself of what is
- 4 meant by 911 Hz Tone products?
- 5 A I do.
- Q What is that understanding?
- A My understanding of this term is that it is a
- 9 product that produces a particular cadence at a pitch of 911
- 9 Hz or thereabouts, and it represents two things within the
- 10 products.
- One is, the audio path is open and the mike is
- available to transmit the audio spoken, and that it refers
- to Motorola products.
- Q Are there any products manufactured by --
- manufactured or sold or offered for sale by Motorola that
- incorporate the 911 Hz Tone, this particular sound that you
- have described, but are not two-way radios?
- A None that I'm aware of.
- Q Are you generally aware of all of the Motorola
- products that incorporate this 911 Hz Tone?
- A I am not an expert in all Motorola products. I
- have familiarity with the products that are associated with
- the GEMS, G-E-M-S -- GEMS organization within Motorola.
- Q What is the GEMS organization?
- A Specifically a business organization within

- Motorola who -- who sells our definition of two-way
- <sup>2</sup> products.
- Q And what is that definition of two-way products?
- 4 I'm sorry, what does your definition of two-way products
- 5 encompass?
- A My definition of two-way products encompasses
- private or leased radio systems, hand-held devices, and
- 8 dispatch centers that allow for immediate group dispatch or
- <sup>9</sup> direct unit-to-unit communications.
- Q Do you use the distinction indirect or direct
- communications devices in this context?
- A Those are internal nomenclature for the overall
- market.
- Q And what do those two terms mean in this context?
- A Indirect specifically is a portion of our
- business where we sell to shops, businesses, such that they
- can lease out equipment to other users, essentially
- intermediates, organizations, private organizations that we
- sell to; and then they either resell or lease or rent,
- versus direct, where we have a direct customer interaction
- with the sales force.
- These customers are larger customers that will
- own their own private systems, maintain their systems.
- Q Do the -- you identified three, if I understood
- this correctly, three categories of two-way products within

- the GEMS organization. The first was private or leased
- 2 radio systems, the second was hand-held devices, third was
- group dispatch systems and devices?
- A Group system dispatch and devices are more of an
- 5 attribute to the hand-helds.
- They also -- there is also an organization or a
- group of products that are for dispatch centers such that it
- is still a two-way, but is a two-way product, but it's
- 9 within, say, a building or actually mobile.
- Q Is that covered within the GEMS organization?
- A Yes, it is.
- Q And that's within the scope of the products that
- you are considering the 911 Hz Tone products?
- A I have more familiarity with the hand-held or the
- mobile products, whether it's hand-held or whether it's
- installed in a vehicle, than I do of the infrastructure and
- dispatch groups.
- But I have some working familiarity with those
- organizations as per my job.
- Q Are any of these categories of two-way products
- 21 -- do any of them, I'm sorry, operate in a direct hand-held
- to hand-held communication path as opposed to through a
- central control or network?
- A For our term, we refer to that as infrastructure.
- A significant number of -- I take that back.

- Currently, to the best of my knowledge, all of
- the products that we make available for sale on indirect and
- direct markets support a direct unit-to-unit without --
- without going through a system or infrastructure.
- Now, not all features are available, but they do
- <sup>6</sup> operate.
- Q Do any of the products encompassed within this
- business organization operate solely in a unit-to-unit mode?
- <sup>9</sup> A Can you repeat the question.
- Q Do any of the two-way products that you have
- described as being within the GEMS organization operate
- solely in a unit-to-unit mode?
- A Yes. There are a number of lower cost, lower
- priced products that operates only in a unit to unit method.
- Q Now, does the GEMS organization also produce or
- sell products other than two-way products?
- A GEMS, to the best of my knowledge -- it goes back
- -- I cannot fully categorically answer that because of the
- definition of what is a two-way radio.
- We have products that operate, sending and
- receiving messages, which constitutes a two-way product, so
- I'm not sure how to respond to that given verbiage.
- Q You are distinguishing between two-way products
- and two-way radio products, do I understand you correctly?
- A Well, I don't -- I guess I need to understand the

- question. You -- can you repeat the question.
- Q Is the GEMS organization responsible for
- producing or selling products other than two-way products?
- A We do sell data products. They again work under
- the same principle of two-way products, so I don't know if
- 6 there is a distinction between those.
- Q I want to come around and ask you in the end,
- then, does every two-way product sold -- produced by and
- 9 sold by the GEMS organization include the 911 Hz Tone?
- A The products that generate that tone are trunking
- infrastructure utilized products.
- If a product utilizes or has the opportunity to
- utilize that function, those products can generate a 911 Hz
- <sup>14</sup> Tone.
- Q So there are additional products, two-way
- products that do not use the 911 Hz Tone within the GEMS
- organization?
- A There are 911 -- there are two-way products that
- do not utilize the 911 Hz Tone.
- Q Can you identify those products?
- A Specifically those products are products that are
- not designed to operate on infrastructure systems.
- Q And this would include the lower priced
- unit-to-unit --
- A Correct --

- Q Products. Okay. So just to confirm, every
- product designed to utilize trunking infrastructure within
- the GEMS organization uses the 911 Hz Tone?
- A For clarity, every voice product.
- Q And with that clarification, that was a true
- statement that I made, is that correct?
- MR. WILLIAMS: Objection, that's vague and
- 8 ambiguous.
- 9 BY MR. STEWART:
- Q Let me restate it. Every voice product produced
- or offered for sale by the GEMS organization that is capable
- of utilizing trunking infrastructure incorporates the 911 Hz
- Tone, is that correct?
- A That is a correct statement.
- Q Are there other products produced or offered for
- sale by Motorola outside the GEMS organization that also use
- the 911 Hz Tone?
- A Not that I'm aware of.
- Q So Motorola currently manufactures 911 Hz Tone
- 20 products, is that right?
- 21 A Correct.
- Q And I would like now to talk about the overall
- organization of Motorola and how the GEMS organization fits
- <sup>24</sup> within Motorola.
- Is it one of a number of business units within

- Motorola?
- A The GEMS organization is one of, I believe, four
- 3 -- is it four now -- four organizations.
- Q What are the -- I'm sorry?
- A Mobile Devices, Connected Home, the GEMS
- organization, and -- are we down to three now? We might be
- down to three. We've had some reorganizations.
- Q Was the GEMS organization in place as far back as
- 9 1991?
- A The GEMS organization itself, under different
- names. We have, to my knowledge, added and removed business
- elements within the organization, but the organization
- itself has been there since 1991.
- Q What are the prior names of the organization?
- A CGISS, C-G-I-S-S. Before that, it was LMPS;
- before that, it was Land Mobile. I believe it was Land
- Mobile during the time of 1991, or it could have been the
- Communications Group -- Communications Sector. I'm not sure
- if that was before 1991 or not.
- Q And has your position within Motorola always been
- within the GEMS organization or a prior -- a predecessor?
- A Yes, I have worked throughout -- throughout my
- tenure within this organization.
- Q Going back through the prior history of the GEMS
- organization, I want to ask you the same question I've asked

- 1 -- that we have now established, that is, no products
- produced by other organizations within Motorola used the 911
- 3 Hz Tone. Was the same true for -- when the GEMS
- organization was constituted as CGISS?
- MR. WILLIAMS: Objection, that's vague and
- 6 ambiguous, and a compound question.
- A Can you clarify -- can you give a little clarity
- 8 to that?
- 9 BY MR. STEWART:
- Q You've testified that no products created by
- Motorola outside the GEMS organization incorporate the 911
- Hz Tone, is that correct?
- A Correct.
- Q And that's as a current matter, correct?
- A That is a current organization.
- Q Was the same true with respect to the CGISS
- organization?
- A Yes. There was no -- CGISS was the producer of
- 911 Hz Tone products.
- Q Was the same true with respect to the LMPS
- organization?
- A Yes. There was no 911 Hz Tone products.
- Q And was the same true with the Land Mobile Group?
- A It is hard for me to answer that, in that it was
- 25 before my time.

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Q If you needed to find out the answer to that
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- question with respect to Land Mobile, how would you go about
- <sup>3</sup> finding the answer?
- A For that specific -- for absolute validation,
- somebody involved with that at the time would be Mitch
- 6 Leshim.
- In a conversation he and I have had, I am -- with
- 8 that as a premise, I am unaware of any products during that
- <sup>9</sup> time that had the 911 Hz Tone outside of the Land Mobile.
- Q Okay. Who is currently the head of the GEMS
- organization?
- 12 A The business president is Greg Brown.
- 13 Q Greg --
- 14 A Greg Brown.
- Q Brown. And I would like you to give me the
- predecessor heads of these organizations if you know that.
- A Okay. Before him was Bob Barnett. Bob Barnett
- was there for a while.
- I couldn't clearly give you additional presidents
- of the sector. We were part of the CE sector -- or CE
- umbrella, so that -- what was his name, he came to visit us.
- I can't go beyond that.
- That goes back to about 1997 or somewhere in
- there. That's as far as I can recall names.
- Q Do you know who the head of the Land Mobile

- organization was in 1991?
- A I do not -- I am not aware of that.
- Q You said that the GEMS organization is part of
- 4 the CE umbrella, is that correct?
- A In one of our many reorgs, the CE was a label
- that was given to a multitude of business units.
- Q And who was the head of the CE structure?
- A I cannot recall his name at this time.
- 9 Q What time -- during what years was the CE
- umbrella in place?
- A I would be guessing if I was to tell you the
- 12 exact timeframe.
- Q Did it go back as far as 1991?
- A No, sir.
- Q Was it in place when you joined the company?
- A No, sir. It was, to the best of my recollection,
- a 96, 97 timeframe of instantiation.
- Q Is it still in place?
- A No, it is not.
- Q When did it go out of effect?
- A I would be guessing at the time of the reorg. My
- best guess would be in the 1999, 2000 timeframe.
- Q Is that when the GEMS organization was created?
- A No, sir.
- Q When was that?

- A The GEMS organization was created nine months
- ago, the label, and when it was associated with that
- 3 acronym.
- Q When was -- when did CGISS come into effect?
- A CGISS was instantiated, to the best of my
- knowledge, in the end -- in the mid point of 2000.
- Q Now, does the GEMS organization support itself
- 8 with -- in effect -- internal resources for marketing,
- 9 sales, distribution?
- A To the best of my knowledge -- can you define
- internal, internal to --
- Q Let me start over and ask you to tell me. How is
- the GEMS organization itself structured internally?
- A We have a business unit, and we have an
- engineering unit and we have manufacturing units.
- Q And you are within the business unit?
- A Yes, I am.
- Q And what operations are encompassed by the
- business unit?
- A The business unit includes the -- the external
- sales force, our direct sales force who interact with
- customers. The business unit does the accounting, the
- financial management of the sales force, sales.
- There is a marketing communication organization;
- there is a products definition marketing organization; and

- that's kind of -- that seems to be the full scope of the
- <sup>2</sup> groups.
- Q What does the -- what responsibilities fall
- within the marketing communications organization?
- 5 A They are responsible for traditional
- 6 communication messages, documentation associated with
- <sup>7</sup> products.
- They are responsible for managements of
- 9 promotional and advertising events, and advertising
- documentation ads or -- items that appear, say, in a
- magazine or something, prints, in addition to customer
- interaction, promotions; in addition to management of trade
- show opportunities; in addition to supplies, whether it be
- material supplies or whether it be sponsoring events to help
- support the sales force interact with the customers.
- Q How about broadcast advertising?
- A Yes, any type of advertising that is associated
- with the GEMS organization, they would either -- my
- understanding is they are responsible for that. Whether it
- is internal or whether they have external firms, I'm
- unaware.
- When we require communication messages, this is
- the organization that has responsibility.
- Q What about competitive intelligence?
- A Intelligence is handled within the business

- units, not necessarily in the marketing communication
- <sup>2</sup> organization.
- Q How about brand management?
- A Brand management is handled in two methods that
- 5 I'm aware of, one being a consistent advertising
- 6 presentation scheme of materials, and, then, a second in how
- we manage our portfolio from the business side, such that we
- keep a consistent message out with our products -- or a
- 9 definition of our products.
- Q Are you within one of these four organizations
- within the business unit?
- A I'm within the product portfolio planning -- I'm
- not sure what term I used.
- Q Product definition marketing organization?
- <sup>15</sup> A Yes.
- Q Is there a separate head of the business unit as
- opposed to the heads of these four individual operations?
- A Jim Surello (phon.sp.) is the head of our North
- 19 American Business Operations.
- There is -- there are people who are in
- 21 International Operations as far as business heads also.
- Q And who is the head of the Marketing
- 23 Communications Organization?
  - Bottie Bottie
- A Mary Botie, B=0=t=i=e. There might be two O's.
- Q And who is the head of the Product Definition

- Marketing Organization?
- A For -- this becomes -- if we have a head for the
- subscribers, we have a head for infrastructure. The head
- for the subscriber is dualed. I believe it's Craig
- 5 Jenisek (phon.sp.) for the indirect market, and he might also
- 6 be the business -- I'm not quite sure how they are organized
- 7 at this time.

16 uct

- In the direct sales line of products, it's Curt
- 9 Brasch, B-r-a-s-c-h or a-u-s-c-h.
- Q And how about on the infrastructure side?
- 11 A There is -- I believe the gentleman's name is
- Randy Helm from a product planning type perspective. I'm
- not a hundred percent sure. We've had some reorgs around
- 14 there also.
- Q What does the product definition marketing
- organization do?
- A We try to capture the needs of the user and,
- then, transfer that into a product definition and, then,
- insure that that product fits within the portfolio of
- products we want to offer and the set of customers we wish
- 21 to appeal to.
- Q Do you do this through research?
- A We do this in several ways. One is research, one
- is just insuring that the current product is well replaced
- 25 as far as a feature sets.

- Then it's pretty much the two major ways; the
- <sup>2</sup> research itself could be involving interaction with
- 3 customers, our own internal understanding of things. It's
- 4 different approaches.
- 5 Q Have you ever -- or has this organization --
- 6 sorry -- ever done research on the 911 Hz Tone itself?
- A Specific to the 911 Hz Tone, I am unaware of any
- 8 research focused directly at that tone.
- <sup>9</sup> Q Are you aware of any research results that are
- related directly to the 911 Hz Tone?
- 11 A No research results. We have heard customer
- 12 feedback in interviews. I am not aware if it's tangible
- documentation as far as notes taken and recorded, though.
- Q What's the nature of that customer feedback?
- A Training and understanding how the product works.
- 16 If they are to replace a product, they need to know that the
- user is able to understand how to use and feels comfortable
- with it, and understands that they know it.
- 19 Q And how did that customer feedback relate
- directly to the 911 Hz Tone?
- A We have, consistent with our tones, over the life
- of the products, specifically for -- the internal term we
- use is "Hands on, eyes off".
- Customers, without focusing on the products,
- understand what's happening, understand when the mike is

- active. They are told in a consistent manner, and if they
- are using a Motorola product, there is an understanding that
- we -- that we have been consistent such that if they replace
- 4 that Motorola product with another Motorola product,
- training of certain aspects of the radio are at a minimum or
- 6 not even required.
- Q Because they can use it in the same way as they
- 8 have used prior products?
- <sup>9</sup> A They are able to -- they are very attuned to
- 10 particular sounds, and it allows them to understand what's
- happening without them interacting.
- So we have been consistent, and they are familiar
- enough with our products to know that tone means they can
- 14 now talk.
- Q Have you in the course of this product definition
- marketing organization's activities -- have you or others
- within the organization looked at competitors' products that
- are within the same product sector?
- A We have -- we have reviewed competitors' products
- from a feature standpoint, aspects to how a bid is written
- or a request for proposal or request for bid, and we also
- 22 analyze the products overall -- alterability, robustness;
- items that are very key to the customer, especially when
- they want a long lasting product, so key focus points we
- 25 have on the durability, things like that.

- MR. WILLIAMS: Are you ready for a short break?
- A Yeah, I can use a little restroom break.
- MR. STEWART: Great.
- THE VIDEOGRAPHER: This is the Videographer. The
- 5 time is 11:25 a.m. We are going off the record.
- (Whereupon, a short recess was
- taken.)
- THE VIDEOGRAPHER: We are back on the record. This
- 9 is the Videographer. The time is 11:40 a.m.
- BY MR. STEWART:
- Q Is there a standard nomenclature within Motorola
- for identifying the function of the 911 Hz Tone and other
- tones generated by your products?
- A Can you clarify.
- Q You used some verbiage which I didn't write down
- before to identify what it is that the 911 Hz Tone signifies
- to a user of one of your radios, is that right?
- 18 A Correct.
- Q Could you repeat that language. I will write it
- down this time.
- A The 911 Hz Tone signifies the microphone --
- either the channels available for communication or that the
- microphone is active and transmitting.
- So it allows the user to understand that. In
- addition, they know that when they hear that tone, that tone

- is coming from a Motorola product.
- Q Just a second on that. How do they know that
- it's coming from a Motorola product?
- A There is a variety of ways. Motorola trains end
- users specifically in the tone; tones mentioned in end user
- documentation manuals, user guides.
- The tone is heard at trade shows and in other
- events. Motorola provides a system that is at a trade show
- 9 and be able to show the radio is communicating on the
- infrastructure, and that tone is audible there.
- There is many -- many times, the sales folks will
- visit a customer and bring new products, and they can
- configure their products such that they can operate on the
- system and, then, they can show the customer the new
- products, and that -- and that tone, that audible tone is
- heard during the transmission attempts.
- Q And is that all?
- A Let me think. Manual, training, trade shows.
- There is -- to the best of my knowledge, I believe that's --
- that's my understanding of the association.
- And in addition to the -- you know -- the
- Motorola products themselves make the tone; the emblem or
- the embossed label, the product is there.
- As a matter of fact, we go through effort to make
- sure it can't be worn away. It appears multiple times on

- the product such that when you hear that tone, you are
- presented with the Motorola label, the trademarks, the
- bat wing emblem, things like that.
- So it's been that way for a while. So the
- repetition of the products, the repetition of the training,
- the consistencies are kind of the -- of that linkage.
- Q Is that all?
- A To what I can recall right now, yes.
- Q If you recall anything further, please let me
- 10 know.
- A Okay.
- Q You said that customers know it's from a Motorola
- product. And you listed these as ways in which a customer
- might know that.
- Do you have any direct evidence that customers do
- know that the tone is emanated -- that the tone is a
- Motorola tone?
- A I have no research statements that says that's
- fact. It's -- I don't have any research that gives that
- 20 fact.
- Q Do you have any other evidence that would
- demonstrate that a customer actually knows that this tone is
- <sup>23</sup> a Motorola tone?
- A From my own personal job related experience,
- explicitly it's been interaction with customers who do not

- refer to it as their radio, but refer to it as their
- Motorola radio and, you know, the use of it -- when talking
- with them, you know, statements about what sounds it makes,
- was it explicit to a 911 tone? No, it was with reference to
- 5 the tones that it makes.
- Q Are you aware whether any other -- whether any
- product manufactured by any other manufacturer emits the
- 8 same tone?
- A Define "manufactured".
- Q I'm stumped. Well, are you trying to distinguish
- between manufacturing and assembling, or what?
- A Integrators --
- Q Integrators?
- A We have integrators.
- Q Who buy Motorola manufactured devices and then
- sell them as part of a system, is that what you are talking
- about?
- A Integrators that would purchase a Motorola radio
- with -- you know -- with our understanding that they would
- be placing it in either their product or a helicopter or
- something like that.
- Q In those situations, is the radio branded as a
- Motorola radio, or by the integrator?
- A I am not sure in all cases. For a particular
- case, it is branded as their products on the face of the

- products -- an E. F. Johnson portable radio, mobile radio.
- Q Beyond that, that kind of situation, are you
- aware of other manufacturers who produce products that emit
- 4 a 911 Hz Tone?
- A No, I'm not aware of any other.
- Q Have you ever attempted to determine whether
- 7 there was any such product?
- A I myself have not actively sought to investigate
- 9 that occurrence. I personally have not.
- I am not aware -- to the best of my knowledge,
- 11 I'm not aware if other people have actively investigated
- 12 that.
- Q Who would you ask if you wanted to find out
- whether Motorola -- anyone within Motorola had sought to
- determine that fact?
- A I'm not a hundred percent sure. I would probably
- ask members -- or people who are involved with our
- 18 Competitive Information Group.
- Q Who are they?
- A I specifically interface with Andres LaCambras.
- I can't spell that.
- Q And he's within GEMS?
- A Yes, he is.
- Q By the way, GEMS is an acronym, is that correct?
- A Yes it is.

- Q What's it stands for?
- A Government and Enterprise Mobile -- I think it's
- Mobile Solutions.
- Q Okay. Fair enough. Which of the four
- organizations -- I'm sorry, let me start over.
- The Competitive Information Group, is that within
- 7 a business unit of GEMS?
- A It is handled within the business unit of GEMS.
- <sup>9</sup> Q And what organization within the business unit?
- 10 A I'm not a hundred percent sure. There are --
- there is different people who help on different things.
- Q Okay. Going back to my first question, the
- function that is represented by the 911 Hz Tone as used in
- the Motorola products is that the channel is available for
- communication or the microphone is active and transmitting,
- is that right?
- <sup>17</sup> A Correct.
- Q Is there a short version of that that you use to
- describe that function in your devices?
- A The training manuals and the user guide speak to
- 21 it in two different ways, depending upon the group that
- these manuals are designed for.
- One refers to it as the Talk-Permits tone, and
- one of it refers to as the Call-Back tone.
- Q What's the difference between those two?

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A The Talk-Permit tone says that you pressed the
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- PTT button, the push-to-talk button, and the channel is
- available, and the microphone is enabled or active for a
- 4 Talk-Permit tone to occur.
- So once the radio is in that state of Talk-Permit
- tone, the radio plays the Talk-Permit tone or gives the
- 7 Talk-Permit tone.
- Q Now, do these 911 Hz Tone products -- those are
- 9 the two-way radios we have been talking about --
- A Okay --
- Q Also emit other tones?
- A Yes, they do.
- Q How many?
- A Somewhere in the range of nine to 12 different
- tones.
- Q And what are the functions that these other tones
- serve?
- A They range from -- there is no -- there is no
- channel available during communication, so it's a -- it's a
- Talk-Prohibit tone, to items like low battery.
- Q And do you engage in the same effort to make sure
- that successive generations of two-way radio products use
- the same tones for consistent functional references?
- A Yes, we do.
- Q And so these other tones have also been kept

- consistent over years of two-way radio products?
- A Yes, they have.
- Q Was the 911 Hz Tone itself originally created by
- 4 Motorola?
- A To the best of my knowledge, yes, it was.
- Q When?
- A To the best of my knowledge, it was developed
- during the 1983-1984 product developments efforts.
- Q What product development effort was that?
- A It was for the MTX 300T.
- Q What kind of product was that?
- A It was -- it was the trunking -- or, you know, it
- was a radio that worked on one of the initial Motorola
- infrastructure systems.
- Q Had there been prior products produced by
- Motorola that served that same function?
- A Not to my knowledge. When you say "same
- function", give me a little bit of clarity.
- My response was not a trunking based product. I
- wasn't quite sure if that's what you were referring to.
- Q Okay. So that was the first trunking based
- two-way radio product produced by Motorola?
- A That I'm aware of.
- Q And how was the 911 Hz Tone created?
- MR. WILLIAMS: Objection, that's vague.

- A A little bit of clarity, please.
- BY MR. STEWART:
- Q Who created the tone?
- A The tone was developed between the business --
- the business people at the time and the engineering staff
- 6 that was developing the tone.
- Q Who were the business people involved?
- A I do not -- I do not know.
- Q Have you attempted to find out who they were?
- A I did attempt. I do not have any information to
- 11 that point.
- Q How did you -- what were your attempts?
- A My attempt was speaking with Marlon Moo-Young.
- Q Why did you ask him?
- A Marlon supports our field products, and the hope
- was he potentially had some of the legacy product
- documentation available.
- Q Is that documentation that would have identified
- who the individuals were who developed the tone?
- A That was the hope.
- Q Did he have such documents?
- A No, we did not.
- Q Did he have any personal recollection of the
- facts that you were looking for?
- A He had knowledge of the tone itself in

- 1 relationship to the MTX 300T.
- Q What was the basis of that information? I'm
- 3 sorry, had he worked on that product?
- 4 A I do not know.
- 5 Q What did he tell you about the use of the tone in
- 6 relation to the MTX 300T?
- 7 A That it was the first product to carry it, and it
- 8 was it was not MTX 300T came out and, then, it was a
- 9 follow-on update to it, if you would, carried the tone, and
- that was the initiation of the tone itself as far as
- <sup>11</sup> availability.
- Q Do you know who the engineering people were who
- were involved in the development of the tone?
- A No, I do not.
- Q Did you seek to find out who they were?
- A Yes, I did.
- Q How did you do that?
- A I went to speak with Marlon.
- Q Did he refer you to anyone else as a possible
- 20 source for this information?
- A He was unsure of who would have had that specific
- information on the MTX 300T.
- Q Did he suggest any names?
- A He suggested Rick Lehman.
- Q Who is that?

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A Rick Lehman was the -- was the release manager
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- for the products, the release manager being defined as the
- person who insured what the date was for the product's
- 4 release, and that the product met all goals to be released.
- 5 Q And did you talk with Rick Lehman?
- A I did not.
- Q Did you seek to talk to Rick Lehman?
- A I did.
- 9 Q And what happened?
- 10 A He was unavailable every time I went to speak
- <sup>11</sup> with him.
- Q Did you try to track this information down
- through anyone else?
- 14 A I did.
- 0 Who was that?
- 16 A I seeked out -- or sought out, I should say,
- Mitch Leshim. He was not able to shed any light on the
- particulars of the MTX 300T.
- 19 Q Is Rick Lehman still with Motorola?
- A Yes, he is.
- Q What's's his position?
- A He is a quality manager.
- O Within GEMS?
- A Yes, he is.
- Q Is he within the engineering?

- A Yes, he is.
- Q Okay. One further question. You talked about
- the integrators' use of the Motorola manufactured mobile
- 4 radios with -- you used the example, E. F. Johnson branding
- on the radio itself, is that right?
- 6 A Correct.
- Q And do you know whether that radio emits the
- 8 911 Hz Tone?
- A I do believe it emits the tone. I do believe --
- I have not heard the tone, but I do believe it emits the
- 11 tone.
- Q Are there other integrators who operate in the
- same fashion?
- A I do not have direct understanding of how other
- integrators operate. They purchase material from Motorola.
- That's the extent of my knowledge of other integrators.
- Q Do you know whether Motorola has a license
- agreement with E. F. Johnson for the use of the 911 Hz Tone?
- MR. WILLIAMS: Objection. That calls for a legal
- conclusion. This witness is a fact witness.
- BY MR. STEWART:
- Q You may answer.
- A I don't know.
- Q Do you know whether Motorola has any license
- agreements with anyone for the use of the 911 Hz Tone?

- MR. WILLIAMS: Same objection. That calls for a
- legal conclusion. This is a fact witness.
- A Again, I do not know.
- 4 BY MR. STEWART:
- Did you try to ascertain whether Motorola had
- 6 such license agreements?
- <sup>7</sup> A I did.
- 8 Q How did you do that?
- A By speaking with Mary Pitman.
- Q And what did you learn from Mary Pitman?
- A Quite honestly, nothing.
- Q What did she say about whether Motorola had
- license agreements in place for the use of the 911 Hz Tone?
- MR. WILLIAMS: I'm going to object and instruct you
- not to answer to the extent this involved communications
- with lawyers.
- A I can't answer.
- 18 BY MR. STEWART:
- Q Is Mary Pitman a lawyer?
- A I don't know.
- MR. STEWART: Counsel, will you allow the witness to
- 22 answer this question?
- MR. WILLIAMS: You can answer the question to the
- extent that it doesn't involve communications between
- yourself and the lawyers.

- A Actually, I was being honest. I really don't
- 2 know. I do not believe she is, but I do not know.
- BY MR. STEWART:
- 4 Q I'm going to ask you then to answer my question
- specifically, did Mary Pitman tell you -- what did Mary
- 6 Pitman tell you with respect to whether Motorola had license
- <sup>7</sup> agreements in place for the use of 911 Hz Tone?
- 8 A There was -- there was work that needed to be
- 9 looked at. I mean, there was no answer.
- Q Was she -- is she still working on developing
- that answer?
- A I am not sure. I haven't seen any
- correspondence, but I have not been on my computer or
- anything, so I do not know.
- Q And you exchanged e-mails with Mary Pitman on
- this subject?
- A Yes.
- MR. STEWART: I would ask for the production of
- 19 those e-mails.
- MR. WILLIAMS: We will take that under advisement.
- BY MR. STEWART:
- Q Do you know whether the 911 Hz Tone in its
- <sup>23</sup> current configuration existed somewhere prior to the
- development of the MTX 300T product?
- A Not that I'm aware of.

- Q Is it your belief that someone within Motorola
- 2 created it for the first time?
- A Yes, that is my belief.
- Q On what do you base that belief on?
- A I base -- I base that belief on conversations
- with Marlon Moo-Young and with Mitch Leshim.
- Q And what did they tell you that led you to that
- 8 belief?
- A The creation of the tone itself has roots in the
- time aspects, when they were originally defining the
- trunking protocol. These time aspects were specific -- or
- were not known or stipulated before that effort.
- Q Explain that a bit further, if you would. What
- time aspects are you referring to?
- A The first radio was designed such that it would
- operate on a -- on this trunking protocol, a particular
- language used, communicates. There is expectations that
- information will be transmitted in a certain period of time
- 19
- These tones are based upon -- my understanding --
- 21 a selection of certain groupings of these time periods in
- association with a particular selection of a pitch such that
- 23 an esthetic tone was created.
- Q First, with respect to the time periods, are you
- referring to the duration of the entire time or the cadence

- of the tone?
- <sup>2</sup> A The cadence.
- Q And in what way is the cadence related -- I'm
- sorry, is the cadence then related technically to the
- 5 transmission speed of the trunking protocol that was being
- 6 put in place?
- A Not technically. There is some relationship, but
- 8 it's not technically related to.
- <sup>9</sup> Q In what way is it related?
- 10 A The radio was producing -- was producing events
- every 23 and a third milliseconds. They used that event and
- multiples of that evens to create their cadence.
- Q I see. Is there any significance to the duration
- of the tone in its entirety?
- <sup>15</sup> A No.
- Q Is there any significance to the number of sounds
- within the tone in its entirety?
- <sup>18</sup> A No.
- Q Was the 911 Hz Tone ever produced at a different
- 20 frequency?
- A Can you clarify.
- Q Was it ever a 900 Hz Tone?
- A To the best of my knowledge, it has been anywhere
- between 909.9999 and 911 based upon just Aaron creating a
- frequency, but indistinguishable to the ear of the tone.

- So the tone audibly has always come across as 911
- or -- at that particular frequency pitch.
- Q Was there any reason to select that range, 910 to
- <sup>4</sup> 911, as opposed to another frequency range for this tone?
- A It is my understanding that the frequency
- 6 generator originally used in the MTX 300T was such that it
- could generate a frequency of 150, and they selected a
- 8 six-times multiplier of that because of the estheticness of
- <sup>9</sup> the tone.
- Q How did you learn this information?
- 11 A This was again speaking with Marlon and with
- 12 Mitch Leshim.
- Q So why -- if the frequency generated 150 hertz,
- 911 is not a six-times multiplier of 150.
- A There is error to the -- to the item, and that's
- how it -- it's my understanding that's how they got to that
- 17 frequency point.
- Q So is it -- was it designed to be 900 Hz, is that
- what you are saying?
- A No, it was -- it was designed to be -- the
- 21 frequency generator is not explicitly 150. It's 150 point
- something such that when it multiplies out, it starts
- getting higher.
- It was an understood tool of the time so they
- were able to identify what the frequency was going to be.

- MR. STEWART: Okay. I would like to have marked as
- Klein Exhibit 3 a user manual.
- (Klein Deposition Exhibit
- No. 3 was marked as
- requested.)
- 6 MR. STEWART:
- Q You are now looking at that document, Mr. Klein.
- Bo you see that document?
- 9 A Yes, sir.
- Q Is it a user manual?
- A To the best of my -- my ability to read it, yes,
- <sup>12</sup> it is.
- Q Okay. And on the page marked MOT 000315 there is
- a copyright notice with the dates 1990, 1991; do you see
- 15 that?
- A Yes, I do.
- Q Is that roughly the time, if you know, that the
- stx 800/821 Smartnet products were being sold?
- A To the best of my knowledge, yes.
- Q And could you turn to Page 13 of the manual --
- it's page MOT 000321.
- A I'm there.
- Q And this provides a list of audible tones on the
- right-hand side, correct?
- <sup>25</sup> A Correct.

- Q Now, the third one is called the Call Back. Is
- that the 911 Hz Tone?
- A Correct, it is.
- Q And it's described as, "Three short, high pitched
- 5 di-di-dit, indicate channel availability". Do you see that?
- A Yes, I do.
- Q And if you turn over to the next page on the
- 8 left-hand side, Page 14 of the manual, there is a Talk
- 9 Permit listing that says "Same as call back"?
- 10 A Correct.
- Q Now, -- and that's the 911 Hz Tone as well?
- 12 A Correct.
- Q Now, there is no reference to 911 Hz in this
- document, is that right?
- A I have not fully reviewed the document, but it's
- my assumption that it is referenced as the Talk Permit or
- the Call Back tone.
- Q And these two tones are in a list of other
- 19 audible tones.
- <sup>20</sup> A Yes.
- Q And it looks to me like there are 23 of them in
- <sup>22</sup> all.
- A Correct.
- Q Okay. And are all those tones different from
- each other?

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A It is my understanding, based upon interaction
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- with user guides, that if the tone is the same, it would
- 3 stipulate that it is the same between the indications of
- 4 what the tone means.
- Q Okay. As it does with Talk Permit?
- 6 A Yes.
- Okay. If you look below Call Back on 321, there
- is Clear Mode Transmit is the next one in alphabetical order
- 9 and that's described as a high pitched beep, do you
- 10 see that?
- A Yes, I do.
- Q Now is that beep also at 911 Hz?
- A I cannot answer that question. I have not spent
- time investigating that particular tone.
- Q Are any of the other tones emitted by this radio
- -- for these purposes -- emitted at the frequency of 911 Hz?
- A I cannot answer the question. I am not -- I've
- not researched these tones enough to verify the exact
- 19 frequency they operate on.
- Q Were all of the tones emitted by the first
- 21 product in this line, the 300T, multiples of 150 hertz?
- A It is my understanding from discussions that they
- were multiples of 150 Hz -- or 150 point-whatever Hz.
- Q 150 plus or minus?
- A Correct.

- Q Do you know -- so that presents a somewhat
- limited number of potential frequencies at which tones could
- 3 be generated, correct?
- A I believe multiples of 150 Hz.
- Do you know whether any of the other tones in
- 6 that radio were at 911 Hz?
- A Again, I would have to go back and investigate
- 8 that particular -- if those tones are consistent, they
- 9 should be the same as -- the tones that were in existence in
- that product should be consistent with the tones that are
- described here in this product.
- Q Because of your intention to make sure that there
- was consistent use across successive products?
- <sup>14</sup> A Correct.
- Q And the STX 800 is a successor to the MTX 300T?
- A Correct, it is.
- Q Have you looked -- have you looked at any of the
- other tones emitted by these 911 Hz Tone products in terms
- of analyzing their frequency and cadence and the like?
- MR. WILLIAMS: Objection, that's vague.
- A I have not investigated these tones in reference
- 22 to 911 -- the 911 Hz Tone.
- BY MR. STEWART:
- Q Have you investigated what frequency the other
- tones are emitted at?

- A No, I have not. I have not investigated the
- other frequencies these tones are emitted at.
- Q Does the fact that the -- that the first four
- 4 tones there or maybe five tones are identified as
- 5 "high-pitched" suggest that they are all the same frequency?
- 6 MR. WILLIAMS: Objection, that's vague.
- 7 BY MR. STEWART:
- Q Are you able to answer that question. I'm sorry,
- 9 I meant to ask you to go ahead and answer.
- A It would be presumptuous for me to identify what
- intention or what perception a radio would have.
- Q Do you know from your actual use of these -- or
- experience with these 911 Hz -- I'm sorry.
- You have actually used 911 Hz Tone product
- 15 radios, have you not?
- A Yes, I have.
- Q Are you familiar based on that experience with
- whether more than the Call Back tone is emitted at 911 Hz?
- A I cannot say whether more than the Call Back and
- Tone Permit tone are at 911 Hz. They are the most often
- 21 heard tones that I have in interacting.
- Q Do they -- just in terms of frequency alone, do
- other tones sound like the same frequency as the Call Back
- 24 tone?
- A It's difficult to answer because of the different

- 1 cadences of the tones.
- Q You can't distinguish between the cadence and the
- frequency of a tone?
- A No, the tones are of X -- frequency X pitch. A
- majority of the time, I'm not utilizing the features that
- interact with other of these tones, or I am just
- particularly not paying attention when they come in such
- 8 that I would be monitoring whether they are the same tones.
- Q Is it possible that multiple tones use the same
- 10 frequency on these products?
- MR. WILLIAMS: Objection, vague.
- A I do not know.
- MR. STEWART: Next I would like to have marked as
- 14 Klein Exhibit 4 another user manual.
- 15 (Klein Deposition Exhibit
- No. 4 was marked as
- requested.)
- BY MR. STEWART:
- Q If you would turn first to the page marked
- 000269. On the left-hand side, there, page eight of the
- manual, there is the Talk Permit and the Call Permit -- I'm
- sorry -- Call Back alert tones there as well, do you see
- 23 that?
- A Yes, I do.
- Q And is that the 911 Hz Tone that we are talking

- about here?
- A The Talk-Permit tone?
- Q Yes.
- <sup>4</sup> A Yes.
- Q And Call Back also?
- A Yes.
- Q And it is described slightly differently from the
- previous manual that we looked at, do you see that?
- A It is -- it is "Dih-dih-dit". The description
- specifically -- I need some clarification on the exact --
- Q It's slightly different, don't you think?
- A The description of the tone?
- Q Yes.
- A There is. There is a greater amount of verbiage
- on the second.
- Q And the second one is the MTX 800. Do you know
- where that fits in terms of time? There is not a copyright
- date on this one -- vis-a-vis the STX 800?
- A It is my recollection that the MTX 800 was the
- follow-on to the STX products.
- Q Okay. And over on the page 000271 --
- A Excuse me, which page?
- Q 000271, a couple of pages later, under -- in the
- upper left-hand side of the page, "Making Dispatch Calls",
- that is a description, is it not, of the generation of the

- 911 Hz Tone that we have been talking about?
- A Yes, it is.
- MR. STEWART: Okay. Now, one more user manual. I
- would like to mark this as Klein Exhibit 5.
- 5 (Klein Deposition Exhibit
- No. 5 was marked as
- requested.)
- MR. STEWART:
- 9 Q Now, this has a copyright date on the second page
- 10 -- no, where is it.
- MR. WILLIAMS: I think you gave me something extra
- here. This isn't part of 5.
- MR. STEWART: Thank you.
- A What page are you on?
- BY MR. STEWART:
- Q It actually on 2207. There is a 2003 copyright
- <sup>17</sup> date.
- <sup>18</sup> A 2207?
- Q Right.
- A There is a 2003 copyright, correct.
- Q Now, is this a current product?
- A This is a currently shipping product.
- Q Do you know whether this is the current user
- guide for this product?
- A This is the current user guide, to the best of my

- knowledge, specific to the Project 25 version of this
- <sup>2</sup> product.
- Q And what is Project 25?
- A It is a -- the open -- it's an organization that
- has helped to define the APCO communication standard that we
- 6 have branded as Astro for our features and functions that
- <sup>7</sup> support that standard.
- Q And that standard is an interoperability
- 9 standard, is that right?
- A It is an open protocol, so it does create
- 11 interoperability.
- Q Now, if you turn to 2215, which is page six of
- the guide, you see here we have the list of tones again?
- 14 A Correct.
- Q This one is different because it is -- the tones
- are grouped together with -- under a "Sound" description, do
- you see that?
- A Yes, I do.
- Q If you turn over to the page labeled 2217 which
- is page eight of the user guide --
- 21 A Correct.
- Q Do you see under "Sound" it says, "A Group of
- Medium-pitched Tones", do you see that?
- A Yes, I do.
- Q And Talk Permit is one of those tones?

- l A Yes, it is.
- Q Now, does that mean that the -- that the
- frequency of the tone was changed in this product?
- $^4$  A No, it was not.
- Q But it's described as medium-pitched as opposed
- 6 to high-pitched here?
- A Yes, it is.
- Q Do you know why that is?
- A It's my understanding -- and this is strictly
- based upon personal experience in helping to work on these
- manuals -- that there was an attempt to help organize these
- tones so that it was easier to reference.
- Q And they were thus grouped by -- I guess for this
- purpose, it's the pitch or frequency, right, the group of
- medium-pitched tones, is that right?
- A And a majority of these tones are grouped in that
- manner.
- Q And for the group of medium-pitched tones that
- includes the Talk-Permit tone, do you know whether all of
- those tones used the same frequency?
- A I cannot at this point say.
- Q You are presenting this to a user as a group of
- tones that are related in terms of their pitch, is that
- 24 right?
- A Yes, we are.

- Q But you don't know whether the pitch is actually
- 2 the same?
- A I do not to for sure. I would have to
- 4 investigate.
- <sup>5</sup> Q If the pitch were the same, what would be the
- basis on which to distinguish from among these tones?
- A My assumption, purely my assumption, would be
- 8 cadence and length, over all length of tones.
- <sup>9</sup> Q And there is no indication of cadence and length
- for this group of tones, right?
- A No, there is not, not that I see. I do not know
- if there is additional information, and I have not fully
- 13 reviewed this document.
- Q Do you want to take a minute to flip through that
- and see if you find anything else?
- 16 A Yes.
- Q Where are you looking?
- A On page -- I selected Dispatcher-Interrupt on
- page 44, MOT 002253. "Dispatcher-Interrupt: The
- Dispatcher-Interrupt feature allows the dispatcher to
- interrupt your radio and place you in a private conversation
- 22 call with a dispatcher.
- "When you receive -- when your radio receives a
- Dispatcher-Interrupt call, you hear a repeating sequence of
- four, short medium-pitched tones until you answer the call".

Page 72 1 That is different than the description for the Talk Permits. Q Okay. MR. STEWART: This would be a good place for me to break for lunch if you are ready to do that. MR. WILLIAMS: That's fine. 7 THE VIDEOGRAPHER: This is the Videographer. time is 12:30 p.m. We are going off the record. (Whereupon, at 12:30 p.m., the 10 deposition was recessed, to 11 reconvene at 1:30 p.m., 12 same day.) 13 14 15 16 17 18 19 20 21 22 23 24 25

1 AFTERNOON SESSION 2 (1:38 p.m.)3 We are going back on the THE VIDEOGRAPHER: 5 This marks the beginning of videotape Number Two, 6 Volume One, in the deposition of David Klein. The time is 7 1:38 p.m. Я 9 DAVID ERIC KLEIN, 10 the witness at the time of recess, having been previously 11 duly sworn, was further examined and testified as follows: 12 EXAMINATION (resumed) 13 BY MR. STEWART: 0 Good afternoon, Mr. Klein. What was the alleged 15 date of first use of the 911 Hz Tone as a mark in commerce 16 according to Motorola? 17 MR. WILLIAMS: Objection, that calls for a legal 18 conclusion based on Patent and Trademark Office filings. 19 This witness is a fact witness. 20 BY MR. STEWART: 21 0 Please answer. 22 Α Can you clarify commerce. I'm not sure of the 23 answer nor do I understand the statement of commerce. 24 It's evident from the face of the trademark 25 application that we have already introduced into the record

- that Motorola has asserted that the date of first use of the
- 911 Hz Tone as a mark in commerce is May 6, 1991. Are you
- 3 aware of that?
- MR. WILLIAMS: Objection. Again, that's a legal
- 5 conclusion based on Legal Department filings.
- 6 BY MR. STEWART:
- Q Are you aware of the date May 6, 1991 as having
- been asserted to the Patent and Trademark Office, as the
- 9 date of first use?
- A I'm aware -- I read that date in one of the
- documents.
- Q That's all I'm asking. Good.
- What happened on that date?
- A You've got to clarify, if you could, please.
- Q What about May 6, 1991 led Motorola to assert it
- as a date of first use of the mark in commerce?
- MR. WILLIAMS: Objection. Again, this is a question
- relating to a legal filing in the Patent and Trademark
- <sup>19</sup> Office.
- A I'm unaware of the specific events that occurred
- on that particular date.
- BY MR. STEWART:
- Q Have you sought to find out what happened on that
- 24 particular date?
- A No, I have not.

- Q Was there any difference in the 911 Hz products
- that manifested itself on May 6, 1991?
- A To the best of my knowledge, the consistency that
- 4 has occurred with the tones, the 911 Hz, before and after
- <sup>5</sup> the -- the May 11th, 1991 --
- <sup>6</sup> Q May 6th.
- A I'm sorry, May 6th, 1991, those tones were
- 8 consistent before and after that date.
- Q Was there any other change in the products in
- which the 911 Hz Tone was incorporated on or around May 6,
- 11 1991?
- A The only product change would be the availability
- of potentially additional products that utilize the 911 Hz
- <sup>14</sup> Tone.
- Q When did that happen?
- A That's a consistent process as we develop the
- products. This was -- that was a timeframe where we were
- developing the MTX, MTS variant of products.
- Q Particularly in May of 1991, was there any
- product introduction or any other change in the products
- themselves?
- A I do not know of any particular change associated
- with that specific date. I'm not aware of any.
- Q Was there a change in May of 1991 in the
- marketing of 911 Hz Tone products?

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A I'm unaware of any change or deviation from the
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- $^2$  consistent marketing of the 911 Hz.
- MR. STEWART: I would like to have marked as Klein
- Exhibit 6 a document entitled "911 Hz Tone Information."
- 5 (Klein Deposition Exhibit
- No. 6 was marked as
- requested.)
- MR. STEWART:
- 9 Q Have you seen this document before?
- A I have seen this document before.
- 11 Q What is it?
- A It's my understanding that this document
- stipulates -- stipulates products that used the 911 Hz Tone.
- Q Who is -- or what is TAG Marketing, T-A-G
- Marketing?
- A The America Marketing -- The America Group
- Marketing.
- Q And who are they?
- A It is the marketing group that is specific to
- North America and Canada.
- Q The marketing group within Motorola?
- A I'm sorry, for clarity, it is the GEMS subscriber
- marketing group, the group that is used for defining the
- products, subscriber products that work on infrastructure
- and conventional operation for North America, particularly

- <sup>1</sup> the direct sales force.
- Q When you talk about subscriber infrastructure and
- conventional products for North America, what -- what's
- 4 meant by the term "subscriber" in that context?
- A Subscriber is our internal nomenclature to define
- a hand-held radio or radio that gets installed in a vehicle
- of that type -- a mobile portable type of device.
- Q As opposed to?
- A As opposed to infrastructure which would be an
- installed tower and such.
- Q So when did you first see this document?
- A I did see this in March of this year.
- Q What were the circumstances?
- A The circumstances were I helped to collect the
- information that appeared -- this listing of features -- or
- excuse me, of products.
- Q So you directed the TAG Marketing people to
- collect this information?
- A I am part of the TAG Marketing team.
- Q I see. So who actually collected the
- 21 information?
- A It was myself on behalf of my manager to collect
- this information.
- Q So you produced this document to begin with?
- A I do not know if I produced this particular

- variance. This is the information I provided. To the best
- of my knowledge, it appears to be the information I turned
- over to my manager.
- Q Is this the complete document?
- A It appears to be from what I am aware of -- from
- 6 my interaction.
- 7 MR. STEWART: I would like to mark as Klein Exhibit 7
- 8 a one-page document entitled, "Post-1991 Indirect Radios
- 9 with 911 Hz Trunking Clear-to-Talk or Talk-Permit Tone".
- 10 (Klein Deposition Exhibit
- No. 7 was marked as
- requested.)
- BY MR. STEWART:
- 14 Q Have you seen that document before?
- 15 A I've not seen this particular document.
- Q Okay. Going back to 6, who asked for the
- 17 collection of the information about 911 Hz Tone products?
- MR. WILLIAMS: Objection, that's vague.
- 19 BY MR. STEWART:
- Q I'm sorry. I will rephrase that. Who asked for
- 21 the information that is presented in Exhibit 6?
- 22 A This information was requested on behalf of my
- manager.
- Q And who is your manager again?
  - Kurt Brasch
- 25 A Curt Bracsh